Quick Start

ATMe

Installation

- Connect the gas inlet to a gas bottle equipped with a regulator. The gas inlet is an Oxygen Adaptor (9/16-18 R.H).
- Connect the data wiring (Male XLR-5 connector for DMX/RDM) if you are using a DMX or RDM controller.
- Connect the power cord 100-250 VAC, 50/60 Hz, 715W.
- Open the gas bottle (CO_2 or N_2 industrial grade, over 99% of purity), and **set the regulator pressure between 50 and 60 psi** (3.5 and 4.1 bar, or 350 and 410 kPa).
- Fill the reservoir with **MDG Neutral Fog Fluid.**

*Power on the MDG **ATMe**.*

Haze output (DOWNWARD)

Handle

Haze fluid reservoir

LCD

USB Connector

XLR-5 DMX/ RDM Connector

Keyboard

MAIN POWER Switch

CO_2 or N_2 Gas input 50-60 psi (kPa)

VAC Input 100-250 VAC, 50/60 Hz

Working with the keyboard (LOCAL Mode)

- Verify the communication mode in the «INTERFACE ▸COMM.». When the «AUTO» mode is activated, the MDG **ATMe** is then controlled by DMX, only if there is a signal. If the DMX wire is unplugged, the control remains local.
- When the generator is manually switched to **«UNIT ON»** mode («CONTROL ▸ UNIT ▸ ON»), the program starts the heating cycle for approximately 8 minutes («STATUS ▸ STATE = % HEAT»).

  When the temperature reaches operating level, the Automatic Purging System™ (APS™) will be initiated («STATUS ▸ STATE = PURGE»).

  After the first purging cycle is completed (1 min), the generator is ready to produce haze («STATUS ▸ STATE = READY»).

- To produce Haze, switch the generator to **«HAZE ON»** mode («CONTROL ▸ HAZE ▸ ON»).

  The MDG **ATMe** will start to produce a haze after 10 to 30 seconds.

  Haze emission can be controlled by adjusting the working pressure of the internal reservoir («CONTROL ▸ PRESSURE»).

The MDG **ATMe** will produce haze as long as the control parameters are within specifications, the fog fluid reservoir filled and the gas bottles pressurized.

If a critical problem occurs, the fog generator automatically shuts down, and displays an error message in the **Status Menu.**

The most common errors are (see manual for details):

- ERROR = P. LOW   Gas bottle is probably closed, empty or not connected.
- ERROR = P. HIGH   The input gas pressure is too high (Pressure between 50-60 psi / 3.5-4.1 bar / 350-410 kPa).
- ERROR = HEATER   Check the AC voltage
- ERROR = PCB HIGH   Move the generator to a colder location.

Working with DMX/RDM Control (DMX Mode)

- Connect a DMX line to DMX In connector (Male XLR-5 connector).

- Select the communication mode in the «`INTERFACE ▶ COMM.`». When the «AUTO» mode is activated, the MDG *ATMe* is then controlled by DMX, only if there is a DMX signal.

- Set the DMX Start Address in the Interface Menu («`INTERFACE ▶ COMM. ▶ DMX ADDR`»), and choose any value between 1 and 510 (512, last DMX channel).
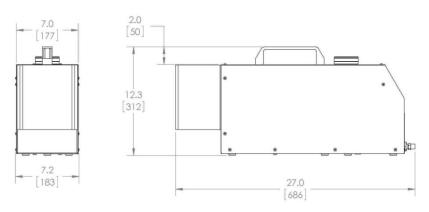
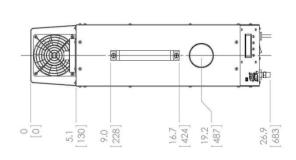 *The DMX Start Address can be reassigned via a RDM control.*

The Interface uses three (3) DMX channels:

Channel 1	0 (0%)	<	UNIT OFF	≤	128 (50%)
	128 (50%)	<	UNIT ON	≤	255 (100%)
Channel 2	0 (0%) – 255 (100%), HAZE OUTPUT (from minimum to maximum)				
Channel 3	0 (0%)	<	HAZE OFF	≤	128 (50%)
	128 (50%)	<	HAZE ON	≤	255 (100%)

Technical Specifications

Total Running Time:	23 hours at 2.76 bar / 40 psi 46 hours at 1.38 bar / 20 psi
Fluid consumption:	100 ml (3.24 oz / 0.029 US gal) per hour at 2.76 bar / 40 psi 55 ml (1.62 oz / 0.0145 US gal) per hour at 1.38 bar / 20 psi
Fluid type:	MDG **Neutral™ Fog Fluid** ONLY M.S.D.S. available on request
Fluid reservoir:	2,5 l (0.66 US gal) bottle
Gas type:	Industrial Grade CO_2 or N_2
Gas pressure input:	4.15 bar / 60 psi max
Gas consumption:	0.36 kg (0.79 lb) per hour at 2.76 bar / 40 psi 0.18 kg (0.4 lb) per hour at 1.38 bar / 20 psi
Operating voltage:	100-250 VAC, 50/60Hz, 1 phase, 715 W Ground / Earth connection **REQUIRED**
Noise emission (at 1 m/3.3 ft)	45 dB Theater Mode Off
Operating temperature:	0 °C to 50 °C (32 °F to 122 °F)
Operating humidity:	90 % relative humidity @ 50 °C (122 °F), non-condensing
Storage temperature:	-40 °C (-40 °F) to 60 °C (140 °F)
Storage humidity:	80% relative humidity @ 60 °C (140 °F)
Approval	CE, CSA and UL pending
Dimensions	30 cm (12") H x 18 cm (7") W x 68,5 cm (27") L
Weight:	16.8 kg (37 lb)

*… For further details, please read the **User Guide.***